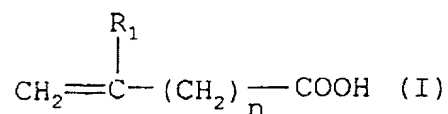


ABSTRACT

Process for preparing an electrical cable comprising at least one conductor and at least one layer of extruded insulating coating, which includes:

- coating, by extrusion, the conductor with a polymeric composition comprising a polyethylene, a radical initiator and at least one unsaturated carboxylic acid of general formula (I) in free form:



in which:

- $\text{R}_1$  represents H or  $\text{CH}_3$ ;
- $n$  represents 0 or 1;

said unsaturated carboxylic acid being present in an amount of between 0.0006% and 0.25% by weight, said amount being expressed as the weight content of  $-\text{COOH}$  groups relative to the total weight of the polymeric composition;

- heating the conductor thus coated so as to obtain cross-linking of said polymeric composition.

Fig. 1